DOCUMENT RESUME

ED 369 779 SP 035 242

TITLE	American Association of Colleges for Teacher Education Briefing Book 1993.
INSTITUTION	American Association of Colleges for Teacher Education, Washington, D.C.
REPORT NO	ISBN-0-89333-118-X
PUB DATE	Feb 94
NOTE	58p.
AVAILABLE FROM	AACTE Publications, One Dupont Circle, N.W., Suite 610, Washington, DC 20036-1186 ($15 for members, $18 for nonmembers).
PUB TYPE	Statistical Data (110)
EDRS PRICE	MF01/PC03 Plus Postage.
DESCRIPTORS	*College Administration; *College Faculty; Demography; Education Majors; Elementary School Teachers; Elementary Secondary Education; *Employment Patterns; *Financial Policy; Higher Education; Institutional Characteristics; Resource Materials; *Schools of Education; Secondary School Teachers; Statistical Data; Student Characteristics; *Teacher Education Programs; Teaching (Occupation)
IDENTIFIERS	American Association of Colleges for Teacher Educ; *Preservice Teachers

ABSTRACT

This briefing book consists of 45 tables on demography that are organized in 4 sections. Section 1 looks at the leadership and faculty of schools, colleges, and departments of education (SCDEs). Leadership is represented by deans of schools and colleges of education, and chairs of departments of education). In addition, a clear picture is given of the contrasts among institutions by size and type. Section 2 displays the demographic characteristics of students in teacher education programs. Section 3 provides information regarding the fiscal health of SCDEs and data on financial resources expended for teacher education programs. Section 4 profiles practicing teachers with respect to race/ethnicity, gender, age, and salary, looks at characteristics of practitioners who move, stay, or leave the profession; and provides some comparative tables relating teachers to other professionals. (LL)

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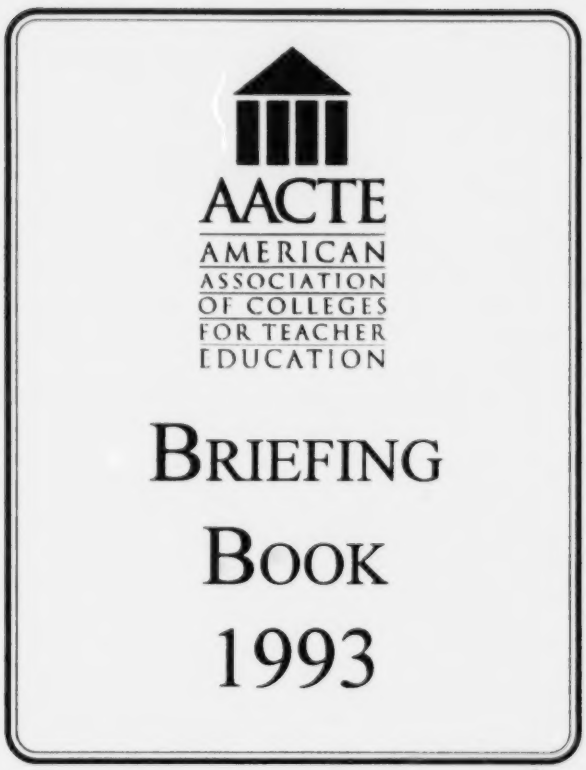

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American Association of Colleges for Teacher Education
One Dupont Circle, NW, Suite 610
Washington, DC 20036-1186
February 1994

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Copies of the Briefing Book, 1993 may be ordered from:

AACTE Publications
One Dupont Circle, Suite 610
Washington, DC 20036-1186
Single copy price: $15.00 for members
$18.00 for nonmembers

Printed in the United States of America

International Standard Book Number: 0-89333-118-X

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Foreword

In an effort to provide members and others easy access to frequently requested information, AACTE is pleased to present the Teacher Education Briefing Book. Guided by the Committee on Research and Information, we have compiled a variety of tables from a range of sources that we hope will be of assistance to you.

The experience of AACTE staff and members of the Committee on Research and Information, in answering the same kinds of questions frequently, has informed the choice of tables. The vast majority of information is demographic in nature (race/ethnicity, gender, salaries, tenure status, etc.). Beginning with the projects that AACTE sponsors, including the *Research About Teacher Education* (RATE) Project, the *AACTE/NCATE Joint Data Collection System* (JDCS), and *Pipeline II: Schools, Colleges and Departments of Education Enrollments by Race and Ethnicity*, we looked not only at the teacher education deans, faculty and students, but also at what the teachers look like after they come out of our schools, colleges and departments of education (SCDE).

This is not the sort of book that one would ordinarily sit down to read. It is probably most useful when a reader has a question and wants an answer that can be had from tables of data. But I would encourage you to sit down with it, to review it section by section. The information compiled here gives a clear picture of contrasts among institutions by size and type; it captures the demographic characteristics of students in education programs; it arrays data about financial resources expended for education programs; and it provides a rich resource about the characteristics of practicing teachers. Such information can lead to new questions and perhaps to projects and research studies.

Mary Diez
AACTE
President, 1993

Acknowledgements

The American Association of Colleges for Teacher Education (AACTE) greatly appreciates the cooperation and support of its Committee on Research and Information in the conceptualization and development of this publication. The Committee, co-chaired by Sam yarger (University of Miami), and Gary Galluzzo (University of Northern Colorado), includes Beverly Caffee-Glenn (Howard University), Walter Doyle (University of Arizona), Gail Huffman-Joley (Indiana State University), Sharon Oja (University of New Hampshire), Michael Padilla (University of Georgia), Andrew Porter (University of Wisconsin at Madison), and Emma White Rembert (Bethune Cookman College).

AACTE's senior director for research, Mary E. Dilworth coordinated the data collection effort and analysis. The report was drafted by research and information staff member Mark S. Lewis, who was ably assisted by Deborah N. Rybicki. AACTE is grateful to the College and University Personnel Association, Washington, DC, for permission to reproduce data from their 1992-93 Administrative Compensation Survey, © 1993, and to the National Education Association, Washington, DC, for permission to reproduce Appendix B, tables 25, 26, 31, and 47 from their Status of the American Public School Teacher, 1990-91, © 1992.

As in any report of this nature, every effort has been made to provide accurate data. Errors of calculation or omission are inadvertent and remain the responsibility of the author.

The data in this volume were collected from various sources. Much of the data regarding teacher education programs, students and faculty were drawn from AACTE data files. In addition, the U.S. Department of Education's National Center for Educational Statistics (NCES), the National Education Association (NEA), and the U.S. Bureau of the Census provided useful information. Specifically, the demographic information for faculty and deans is taken from AACTE's Research About Teacher Education (RATE) study and the tables on salaries and other "selected characteristics" are from NCES and the College and University Personnel Association (CUPA). Information on tenure status and teaching load are from the AACTE/NCATE Joint Data Collection System (JDCS).

All of the tables that focus on education students are from AACTE studies, including RATE, the Pipeline surveys, and the Joint Data Collection System (JDCS). The tables that look at total higher education enrollments, with some comparison to education students, are based on NCES data.

Teacher education resource information was collected as a part of JDCS. Lastly, the majority of the information on teacher practitioners was gathered by NCES, and the National Education Association (NEA). Some additional information was drawn from Bureau of the Census publications.

Terms

The term "Unit" comes from JDCS and refers to the professional education unit, or the college, school, department or other administrative body within the institution that is primarily responsible for the preparation of teachers and other professional education personnel. "Institutional Size" refers to total institutional professional education productivity where small equals 1-100; medium equals 101-500; and large equals 501 or more individuals prepared for licensure.

Some of the tables in this volume compare information by "stratum." Stratum is a term designed by the authors of the RATE Project to denote programmatic differences between institutions. This classification system is described below:

Stratum 1 AACTE member institutions offering baccalaureate programs in education

Stratum 2 AACTE member institutions offering baccalaureate, master's, and sixth-year degree programs in education

Stratum 3 AACTE member institutions offering baccalaureate, master's, sixth-year, and doctoral programs in education

I
Deans, Chairs and Faculty

Deans, Chairs, and Faculty

This section features information regarding the leadership and faculty of schools, colleges, and departments of education (SCDE). Specifically, the leadership is represented by deans of schools and colleges of education, and chairs of departments of education.

The information provided in Tables 1 and 2 indicates that current SCDE leadership is predominantly White (95 percent for deans, 93 percent for chairs) and male (84.2 percent for deans, 72.9 percent for chairs). When looking at the information by position type (i.e., dean or chair), the percentage of Black or African American deans (5.3) is higher than the percentage of chairs (3.8), but the percentage of Hispanic chairs (1.3) is higher than that of Hispanic deans (less than one percent). In addition, the percentage of female chairs (27.8) is higher than the percentage of female deans (15.8).

Tables 3 and 4 show median salaries of education deans as compared to other administrators. Information is provided by gender and race/ethnicity. Generally, females and minorities are not as well compensated as their peers, and education deans are not as well compensated as peers in other fields reported (business and arts and sciences). The exception to this is minority education deans who appear to be better compensated than non-minority deans ($73,586 compared to $70,906) at comprehensive institutions and doctoral institutions ($98,358 compared to $89,931). Possibly the greatest disparity exists at general-baccalaureate institutions, wherein non-minority deans' median salary is $47,896 and minority deans' median salary is $41,000.

Table 6 indicates that faculty in the field of education are among the most diverse (approximately 12 percent minority), and about 55 percent male. The faculty age distribution in education is similar to other fields in postsecondary education, and most hold a rank above assistant professor (52 percent). Table 7 indicates that education faculty may not be compensated as well as some—engineering and business, for example—but they are on par with faculty in the humanities, and appear to fare better than faculty in the fine arts. In looking at the mean salary information by type of institution, faculty in private 2-year and research institutions appear to be the best compensated, with faculty in public and private liberal arts institutions receiving the least compensation.

Table 8 indicates that baccalaureate-granting institutions (stratum 1) employ the highest percentage of women (55.3), and master's-granting institutions (stratum 2) employ the highest percentage of males (62.5). The gender distribution at doctoral-granting institutions (stratum 3) is approximately 60 percent male and 40 percent female. Table 9 shows the faculty distribution by tenure status and strata, indicating that doctoral-granting institutions have the highest percentage of tenured faculty (66.7), and baccalaureate-granting institutions have the lowest percentage.

Lastly, the data on faculty teaching load indicate that faculty across institution type, on the average, teach about three courses (see table 11).

Table 1
Race/Ethnicity Distribution of SCDE Deans and Chairs, 1990

	Deans	Chairs
White	95.0	93.0
Black/African American	5.3	3.8
Hispanic	-	1.3

Source: AACTE, RATE V Administrator Survey, 1990.

Table 2
Gender Distribution of SCDE Deans and Chairs, 1990

	Deans	Chairs
Male	84.2	72.9
Female	15.8	27.8

Source: AACTE, RATE V Administrator Survey, 1990.

Table 3
Administrative Median Salaries by Institutional Type, Gender, and Position Title, 1992-93

	Doctoral		Comprehensive		General-Baccalaureate	
	Male	Female	Male	Female	Male	Female
Dean, Education	92,600	89,900	71,138	70,657	48,000	44,929
Dean, Business	113,434	-	80,975	73,608	59,483	44,735
Dean, Arts & Science	100,478	98,500	75,000	72,120	59,650	48,000

Source: College and University Personnel Association, *1992-93 Administrative Compensation Survey*, Washington, DC, 1993.
Note: "-" indicates fewer than three cases.

Table 4
Administrative Median Salaries by Institutional Type, Minority Status, and Position Title, 1992-93

	Doctoral		Comprehensive		General-Baccalaureate	
	Non-Minority	Minority	Non-Minority	Minority	Non-Minority	Minority
Dean, Education	89,931	98,358	70,906	73,586	47,896	41,000
Dean, Business	114,081	90,750	80,352	72,850	58,500	56,463
Dean, Arts & Science	101,014	92,000	75,000	65,362	59,096	58,370

Source: College and University Personnel Association, *1992-93 Administratvie Compensation Survey*, Washington, DC, 1993.

Table 5
Full-Time Regular Instructional Faculty in Institutions of Higher Education, by Selected Characteristics and Type of Control of Institution, Fall 1987

Selected characteristics	Number in thousands	Percent total	Public Research	Private Research	Public Doctoral	Private Doctoral	Public Comprehensive	Private Comprehensive	Liberal Arts
1	2	3	4	5	6	7	8	9	10
Total (in thousands)	489	-	96	39	36	15	93	35	39
Percent	-	100.0	19.7	8.0	7.3	3.0	19.0	7.2	8.0
	Percentage distribution								
Total	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Gender									
Male	356	72.7	79.3	80.5	74.5	77.3	71.1	72.5	70.9
Female	133	27.3	20.7	19.5	25.5	22.7	28.9	27.5	29.1
Race									
White, non-Hispanic	438	89.5	90.4	85.4	92.0	91.3	88.0	91.2	86.9
Black, non-Hispanic	16	3.2	1.6	6.1	1.8	0.1	3.5	1.7	8.0
Hispanic	11	2.3	2.4	5.0	1.1	2.2	2.1	1.6	1.2
Asian	21	4.2	4.8	3.5	4.5	5.9	5.8	4.4	2.7
American Indian	3	0.7	0.7	(1)	0.6	0.5	0.6	1.1	1.2
Age									
29 or younger	8	1.6	1.1	0.6	1.8	1.3	1.6	2.1	2.2
30-34	41	8.3	7.1	11.5	10.2	4.5	7.9	6.2	8.5
35-39	72	14.7	16.5	21.4	14.8	17.9	12.5	16.3	14.4
40-44	82	16.7	15.2	17.6	14.0	11.4	15.7	18.4	19.8
45-49	92	18.9	18.5	15.1	18.7	17.3	21.2	18.0	19.9
50-54	74	15.1	14.8	12.3	15.9	18.4	15.3	16.9	9.9
55-59	59	12.0	12.1	8.6	13.2	10.7	13.2	10.2	13.6
60 or older	62	12.7	14.7	12.8	11.5	18.5	12.6	11.9	11.7
Highest degree									
Doctoral	263	54.7	72.1	69.1	73.0	74.4	62.7	64.0	60.3
Professional	61	12.7	18.3	23.9	5.4	14.9	6.2	8.1	1.8
Master's	134	27.9	8.5	6.2	19.2	10.7	29.9	24.3	34.6
Graduate work									
no degree	7	1.5	0.2	0.7	1.0	(1)	0.6	1.2	2.0
Bachelor's	11	2.2	0.9	0.2	0.9	(1)	0.6	1.8	1.3
Less than bachelor's	4	0.9	(1)	(1)	0.5	(1)	(1)	0.6	(1)
Academic rank									
Professor	162	33.1	45.3	39.2	35.6	35.4	37.2	30.8	29.4
Associate professor	116	23.7	28.1	25.3	30.1	34.3	26.5	29.5	23.0
Assistant professor	111	22.8	21.2	29.1	25.9	28.3	23.4	32.7	31.2
Instructor	56	11.5	2.7	3.1	6.7	2.0	8.7	6.1	9.3
Lecturer	8	1.6	2.7	2.4	1.4	(1)	3.0	0.4	0.5
Other	4	0.9	0.1	0.8	0.3	(1)	1.2	0.3	0.6
No rank	32	6.5	(1)	0.1	(1)	0.1	(1)	0.2	5.9
Base salary									
Less than $20,000	24	5.0	2.2	3.2	5.3	4.1	3.6	7.8	15.1
$20,000-24,999	50	10.2	3.4	2.1	11.9	4.2	10.2	18.3	21.7
$25,000-29,999	72	14.8	8.1	8.4	14.5	15.2	17.5	17.7	22.3
$30,000-34,999	76	15.6	9.4	7.0	15.8	17.7	16.9	20.0	17.2
$35,000-39,999	67	13.8	12.5	11.7	15.6	10.9	15.4	15.0	10.0
$40,000-49,999	96	19.7	25.0	20.5	24.8	17.7	22.2	12.7	9.7
$50,000-74,999	78	15.9	30.5	29.8	9.7	21.4	12.5	7.5	4.0
$75,000 or more	24	4.9	9.0	17.2	2.4	8.9	1.6	1.0	(1)

(1) Less than .05 percent.
- Data not applicable.

Source: U.S. Department of Education, National Center for Education Statistics, National Survey of Postsecondary Faculty (NSOPF), 1988.

Table 6
Full-Time Regular Instructional Faculty in Institutions of Higher Education, by Faculty Characteristics and by Field, Fall 1987

Faculty characteristics	Number in thousands	All fields	Agriculture and Home Economics	Business	Education	Engineering	Fine Arts	Health	Humanities	Natural Sciences	Social Sciences	Other
1	2	3	4	5	6	7	8	9	10	11	12	13
Total (in thousands)	489	-	13	37	35	25	32	85	62	84	53	64
Percent	-	100.0	3	7	7	5	7	17	13	17	11	13
						Percentage distribution						
Total	489	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Gender												
Male	356	73	63	72	55	98	74	61	67	83	78	77
Female	133	27	37	28	45	2	26	39	33	17	22	23
Race/ethnicity												
White, non-Hispanic	438	90	94	88	88	87	92	88	90	91	90	89
Asian	21	4	2	6	1	11	1	7	2	6	2	3
Black, non-Hispanic	16	3	0	4	6	(1)	3	2	3	2	5	5
Hispanic	11	2	3	1	4	2	3	1	5	1	3	2
American Indian	4	1	1	1	1	(1)	(1)	1	1	(1)	1	1
Age												
34 or younger	48	10	11	10	8	10	13	13	5	9	7	12
35-39	72	15	22	16	11	13	14	17	13	15	15	14
40-44	82	17	16	18	16	13	19	16	14	17	21	15
45-49	92	19	21	17	19	18	18	18	20	22	20	16
50-54	74	15	11	17	18	14	16	13	16	17	14	14
55-59	59	12	12	12	15	17	9	9	15	11	10	14
60 or older	62	13	7	9	13	14	11	15	16	9	13	14
Degree												
Less than bachelor's	4	1	2	(1)	(1)	(1)	1	1	(1)	1	(1)	4
Bachelor's	11	2	2	4	1	4	2	2	(1)	1	(1)	7
Graduate work no degree	7	2	(1)	1	(1)	2	3	1	1	2	1	3
Master's	134	28	26	39	38	29	51	20	26	24	18	30
Professional	48	10	2	6	1	1	4	44	1	1	2	8
Doctoral	276	57	67	50	59	64	40	32	71	71	79	49
Rank												
Professor	162	33	35	21	28	41	30	31	38	38	36	30
Associate professor	116	24	23	21	24	24	26	24	25	23	26	20
Assistant professor	111	23	22	27	22	23	22	29	19	18	22	23
Instructor	56	12	12	19	12	7	10	11	8	9	6	20
Lecturer	8	2	3	3	1	1	1	1	3	2	1	1
Other	4	1	(1)	(1)	2	1	(1)	(1)	(1)	(1)	1	1
No rank	32	7	4	8	11	3	10	4	8	9	8	5

(1) Less than 0.5 percent
- Data not applicable

Source: U.S. Department of Education, National Survey of Postsecondary Faculty (NSOPF), 1987-88. (This table was prepared April, 1991.)

Table 7
Salaries of Full-Time Regular Instructional Faculty in Institutions of Higher Education, by Type and Control of Institution and by Field of Instruction, 1987-88

Field of Instruction	Public								Private							
	4-year institutions							2-year institutions	4-year institutions							2-year institutions
	Total	Research	Doctoral	Comprehensive	Liberal Arts	Medical	Other		Total	Research	Doctoral	Comprehensive	Liberal Arts	Medical	Other	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Number of faculty, in thousands	251	96	36	97	1	18	2	88	147	39	15	35	38	8	13	3
Mean salary																
All fields	$39,200	$43,800	$35,600	$35,800	$27,700	$57,000	$37,300	$32,900	$35,500	$47,400	$40,400	$31,500	$29,400	$53,400	$32,500	$26,500
Agriculture and home economics	39,500	45,100	35,800	34,300	-	-	-	31,600	32,800	47,900	28,000	24,100	24,300	-	-	13,700
Business	39,200	45,300	39,100	34,800	-	-	-	33,600	38,300	53,500	40,900	38,100	25,300	-	32,700	33,100
Education	36,800	39,700	36,400	35,100	27,000	38,400	-	33,700	30,200	40,600	40,100	29,500	25,300	-	28,300	41,700
Engineering	44,300	48,400	43,200	39,100	-	-	39,100	30,600	43,800	56,000	46,700	41,900	37,900	-	32,000	27,300
Fine arts	33,900	37,300	32,800	32,600	-	-	31,500	32,600	30,400	34,600	37,000	28,700	29,600	-	24,700	10,500
Health	53,500	58,400	41,100	39,800	-	59,100	-	30,200	50,900	63,600	46,500	35,400	25,600	56,800	41,900	26,400
Humanities	36,800	39,600	33,000	36,300	28,400	-	-	35,800	33,100	39,300	39,600	30,800	30,800	-	29,100	22,700
Natural sciences	41,000	45,800	39,300	37,000	24,500	46,200	38,900	32,900	37,000	49,400	39,800	31,500	29,700	38,100	29,100	23,300
Social sciences	38,200	41,200	36,200	35,600	27,600	62,000	40,000	34,100	35,400	44,800	39,300	28,500	29,800	-	35,400	19,300
Other	36,700	42,000	35,400	34,400	27,400	-	40,500	31,300	35,700	57,100	37,000	30,200	27,500	-	38,700	21,800
Median salary																
All fields	$37,000	$41,600	$35,000	$35,000	$27,600	$53,000	$38,000	$32,000	$32,200	$43,000	$38,000	$30,000	$28,000	$46,000	$29,700	$22,300
Agriculture and home economics	39,000	42,000	35,000	33,000	-	-	-	30,000	28,000	48,500	28,000	23,400	24,200	-	-	14,000
Business	40,000	45,000	41,600	35,000	-	-	-	32,800	38,000	50,000	42,500	35,500	25,000	-	27,200	21,000
Education	36,000	38,100	32,800	34,000	27,000	38,400	-	34,000	28,000	39,500	41,000	28,500	24,000	-	29,000	43,200
Engineering	43,800	48,000	40,500	36,000	-	-	45,600	33,000	42,000	52,000	48,600	41,000	36,000	-	32,500	27,300
Fine arts	32,000	35,500	32,000	30,000	-	-	32,000	33,000	30,000	34,000	36,100	30,000	27,800	-	18,500	10,500
Health	47,000	53,000	32,500	30,000	-	55,000	-	29,400	44,000	62,500	35,000	34,300	25,500	55,000	42,000	27,600
Humanities	35,500	38,000	33,200	35,900	28,400	-	-	35,500	31,000	35,000	39,000	30,000	30,000	-	28,900	27,100
Natural sciences	39,900	45,000	36,000	36,900	24,500	50,000	40,000	32,600	34,800	45,000	37,500	30,000	29,800	38,100	28,000	22,000
Social sciences	38,000	40,000	36,000	36,000	27,600	64,000	40,000	34,600	31,900	40,000	36,700	29,000	29,400	-	33,500	18,500
Other	34,800	38,900	34,600	33,800	27,500	-	40,500	30,400	29,000	54,000	34,500	27,300	25,000	-	36,000	24,000

NOTE: Because of rounding, details may not add to totals. "-" data not available

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Survey of Postsecondary Faculty (NSOPF), 1987-88. (This table was prepared April 1991.)

Table 8
Gender Distribution of SCDE Faculty
by Type of Institution, 1990

	Male	Female
Stratum 1	44.7	55.3
Stratum 2	62.5	37.5
Stratum 3	60.6	39.4

Source: AACTE, RATE V Administrator Survey, 1990.

Table 9
SCDE Faculty Distribution by Tenure Status and Strata, 1990

Rank	Stratum 1 (%)	Stratum 2 (%)	Stratum 3 (%)	Total (%)
Tenured	45.2	57.0	66.7	56.7
Tenure-track	41.1	37.7	30.5	36.3
Non-Tenure-track	13.7	5.3	2.9	7.0

Source: AACTE, RATE V Faculty Survey, 1990.

Table 10
Mean Number of Faculty Within the Unit,
by Institution Size, 1990

Institution Size	Mean
Small *n*=242	20.0
Medium *n*=283	73.1
Large *n*=630	157.4
All *n*=630	66.8

Note: "*n*" equals the number of institutions

Source: AACTE/NCATE Joint Data Collection System, 1990

Table 11
SCDE Faculty Teaching Load, 1990

Faculty Teaching Undergraduate Courses Only

Teaching Load	Percent
Teach less than 3 Courses	15.2
3 Courses	34.8
4 Courses	36.8
5 Courses or More	13.2
Total	100.0

Faculty Teaching Graduate Courses Only

Teaching Load	Percent
Less than 2 Courses	8.2
2 Courses	32.5
3 Courses	43.8
4 Courses or More	15.5
Total	100.0

Faculty Teaching Undergraduate and Graduate Courses

Teaching Load	Percent
Less than 3 Courses	19.1
3 Courses	42.8
4 Courses	26.5
5 Courses or More	11.5
Total	100.0

Note: Percentages may not equal to 100 due to rounding
Source: AACTE/NCATE 1990 Joint Data Collection System

II
Students

Students

This section features information regarding teacher education students. It is organized to present information on higher education students generally, and then teacher education students. The section also begins with enrollment and ends with attainment.

Table 12 indicates enrollments in higher education by race/ethnicity and state, and indicates a slight increase in minority enrollments from 1988 to 1990. Table 13 indicates mean teacher education enrollment increases from 1985 to 1989 with the greatest increases most evident in master's-granting institutions (stratum 2).

Table 14 shows teacher education (SCDE) enrollments by race and ethnicity. Enrollments in 1989 were 86.5 percent, White, 6.8 percent Black, and 2.7 percent Hispanic. Asian/Pacific Islander and Native American/Alaskan Native enrollments were negligible. Table 15 shows SCDE enrollments by race/ethnicity and institution type. The most diverse institutions appear to be large private doctoral-granting (approximately 16 percent minority) and large independent comprehensive institutions (almost 17 percent minority). Private religiously affiliated institutions have the highest percentage of Native American students (13.4 percent).

Table 17 indicates that most teacher education students are enrolled in elementary and secondary programs (43.5 and 31.8 percent, respectively). The next most popular program is early childhood (7.8 percent).

Tables 18-20 show the number of degrees conferred at baccalaureate, master's and doctoral levels by race/ethnicity and gender. More Black women received baccalaureate degrees in education than Black men in 1989-90 (3,200 compared to 1,189). In all fields, there were more Asian/Pacific Islander baccalaureate recipients than Hispanic (39,059 compared to 32,686), but there were more Hispanic education degrees than Asian/Pacific Islander education degrees (2,853 compared to 931; see table 18). There were more education master's conferred than in any other field in 1989-90. Of the fields reported in Table 19, there were more male recipients of degrees in business and management (50,983) than in education (20,834), but there were more female education degrees than either (65,223).

The future teacher education faculty is typically drawn from doctoral degree recipients. The number of women receiving doctoral degrees in education is greater than males (3,991 compared to 2,931). In all the other fields except liberal/general studies (see Table 20), males receive the majority of doctoral degrees. Tables 21 and 22 look at doctoral degree recipients by gender and race/ethnicity and by field of study. Education remains among the most diverse fields (about 14 percent minority). Table 23 gives a statistical profile of doctoral degree recipients, including citizenship, age, median time lapse for completion, and planned doctoral activities. Of the fields listed, education has the highest median lapse time from baccalaureate to doctorate (17.9 years), but one of the highest frequencies of definite employment after receipt (65 percent).

Tables 25-26 detail the gender and race/ethnicity of "program completers." This is an AACTE/NCATE Joint Data Collection System term for students who complete professional education programs in an institution. To complete a program does not necessarily mean licensure was obtained or a degree earned. Table 25 gives the mean number of completers by institution size, program level, and gender. Table 26 indicates the mean number of completers by size, level, and race/ethnicity.

Table 12
Total Fall Enrollment in Institutions of Higher Education, by Race/Ethnicity of Student and by State, 1990

State or other area	Total	White, non-Hispanic	Minority enrollment, by race/ethnicity					Nonresident alien	Percent minority[2] 1990	Percent minority[2] 1988
			Total	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native			
1	2	3	4	5	6	7	8	9	10	11
United States	13,710,150	10,674,784	2,638,778	1,223,303	758,054	554,803	102,618	396,588	19 8	18 9
Alabama	217,550	166,617	46,344	42,916	1,138	1,699	591	4,589	21 8	21 5
Alaska	29,833	24,264	5,101	1,079	634	740	2,648	468	17 4	16 3
Arizona	264,735	205,676	52,164	7,585	29,618	6,116	8,845	6,895	20 2	18 7
Arkansas	90,425	75,157	13,797	12,188	431	740	438	1,471	15 5	15 4
California	1,769,997	1,130,301	573,917	114,787	222,724	215,407	20,999	65,779	33 7	33 0
Colorado	227,131	191,283	31,278	6,646	17,078	5,275	2,279	4,570	14 1	13 3
Connecticut	168,530	143,434	20,291	9,937	5,620	4,311	423	4,805	12 4	10 9
Delaware	42,004	35,155	6,065	4,710	546	710	99	784	14 7	14 0
District of Columbia	80,669	40,977	30,668	24,770	2,406	3,222	270	9,024	42 8	40 9
Florida	538,389	397,880	124,377	53,400	58,490	10,871	1,616	16,132	23 8	22 7
Georgia	251,810	189,189	56,728	49,199	2,740	4,241	548	5,893	23 1	21 8
Hawaii	53,772	16,132	33,977	1,457	1,002	31,356	162	3,663	67 8	67 8
Idaho	51,881	48,024	2,505	310	1,004	706	485	1,352	5 0	4 1
Illinois	729,246	541,347	172 748	89,218	48,932	32,353	2,245	15,151	24 2	22 8
Indiana	283,015	251,389	24,336	15,323	4,380	3,913	720	7,290	8 8	8 5
Iowa	170,515	155,204	8,502	4,044	1,587	2,430	441	6,809	5 2	4 8
Kansas	163,375	143,023	15 016	6,796	3,534	2,717	1,969	5,336	9 5	8 9
Kentucky	177,852	162,549	13,078	10,491	738	1,343	506	2,225	7 4	7 3
Louisiana	186,599	130,361	51,725	44,738	3,448	2,683	856	4,513	28 4	27 9
Maine	57,186	55,487	1,307	296	195	418	398	392	2 3	1 9
Maryland	259,700	190,880	61,264	44,292	4,726	11,429	817	7,556	24 3	22 4
Massachusetts	418,874	349,516	48,241	18,376	12,501	16,144	1,220	21,117	12 1	10 9
Michigan	569,803	475,505	80,120	56,786	9,094	10,693	3,547	14,178	14 4	13 4
Minnesota	253,789	235 231	13,029	4,143	1,936	4,948	2,002	5,529	5 2	4 4
Mississippi	122,883	85,699	35,254	33,699	395	783	377	1,930	29 1	28 5
Missouri	289,407	250,758	32,103	23,050	3,434	4,487	1,132	6,546	11 3	10 7
Montana	35,876	32,200	2,941	114	280	120	2,427	735	8 4	7 4
Nebraska	112,831	104,620	6,189	2,723	1,559	1,178	729	2,022	5 6	5 2
Nevada	61,728	50,910	9,941	2,931	3,408	2,559	1,043	877	16 3	14 2
New Hampshire	59,510	56,522	2,148	669	490	760	229	840	3 7	3 7
New Jersey	323,947	241,666	69,871	33,113	21,642	14,340	776	12,410	22 4	20 2
New Mexico	85,596	52,573	31,532	2,176	23,635	1,125	4,596	1,491	37 5	35 1
New York	1,035,323	748,696	239,327	111,845	74,635	48,965	3,882	47,300	24 2	23 6
North Carolina	351,990	273,874	73,264	62,032	2,528	5,622	3,082	4,852	21 1	20 6
North Dakota	37,878	34,380	2,342	246	195	285	1,616	1,156	6 4	5 5
Ohio	554,787	481,358	59,479	45,237	5,466	7,354	1,422	13,950	11 0	9 5
Oklahoma	173,221	140,865	26,964	11,816	2,635	2,904	9,609	5,392	16 1	14 7
Oregon	166,641	145,797	13,158	2,153	2,990	6,321	1,694	7,686	8 3	8 1
Pennsylvania	604,060	523,157	66,317	44,009	7,709	13,588	1,011	14,586	11 3	10 0
Rhode Island	78,273	69,974	6,277	2,558	1,606	1,891	222	2,022	8 2	6 8
South Carolina	159,302	122,964	33,916	31,177	911	1,494	334	2,422	21 6	21 7
South Dakota	34,208	31,106	2,454	250	94	198	1,912	648	7 3	7 5
Tennessee	226,238	186,541	35,301	31,240	1,302	2,283	476	4,396	15 9	15 7
Texas	901,437	617,626	259,667	80,458	148,296	27,907	3,006	24,144	29 6	27 6
Utah	121,303	110,150	6,459	661	2,233	2,243	1,322	4,694	5 5	5 0
Vermont	36,398	34,178	1,503	375	428	569	131	717	4 2	3 0
Virginia	353,442	280,786	66,629	49,566	4,803	11,400	860	6,027	19 2	18 3
Washington	263,278	225,213	32,761	7,361	6,122	15,424	3,854	5,304	12 7	11 4
West Virginia	84,790	78,795	4,347	3,160	360	688	139	1,648	5 2	4 9
Wisconsin	299,774	271,096	22,400	10,667	4,692	4,991	2,050	6,278	7 6	6 6
Wyoming	31,326	28,952	1,817	284	905	184	444	557	5 9	5 3
U S. Service Schools	48,023	39,747	7,839	6,246	799	675	119	437	16 5	16 2
Outlying areas	161,575	916	159,257	1,949	150,816	6,467	25	1,402	99 4	99 6
American Samoa	1,219	166	778	0	0	778	0	275	82 4	100 0
Guam	4,741	406	3,857	34	36	3,768	19	478	90 5	90 1
Northern Marianas	661	61	444	0	2	442	0	156	87 9	91 8
Puerto Rico	151,022	48	150,699	10	150,688	1	0	275	100 0	100 0
Trust Territory of the Pacific	1,466	0	1,466	0	0	1,466	0	0	100 0	100 0
Virgin Islands	2,466	235	2,013	1,905	90	12	6	218	89 5	88 6

[1]Preliminary data.
[2]Percent minority based on U.S. citizen enrollment (total enrollment less enrollment of nonresident aliens).

Source: U.S. Department of Education, National Center for Education Statistics. Integrated Postsecondary Education Data System (IPEDS), "Fall Enrollment" survey. (This table was prepared January 1992.)

Table 13
Mean SCDE Enrollments 1985-1989

Stratum	RATE I (1985 data)	RATE II (1986 data)	RATE III (1987 data)	RATE IV (1988 data)	RATE V (1989 data)
Stratum 1					
Undergraduate					
Full-time	204	236	244	260	249
Part-time	116	16	2	37	69
Post-BA					
Full-time	10	7	5	11	14
Part-time	9	5	2	12	28
Graduate					
Full-time	-	-	79	108	55
Part-time	-	-	58	76	95
Stratum 2					
Undergraduate					
Full-time	552	527	556	629	746
Part-time	113	91	147	110	142
Post-BA					
Full-time	29	38	33	36	67
Part-time	122	129	148	139	264
Graduate					
Full-time	48	52	54	85	67
Part-time	317	271	270	369	412
Stratum 3					
Undergraduate					
Full-time	906	776	912	1,046	1,081
Part-time	134	146	148	156	177
Post-BA					
Full-time	31	51	58	61	46
Part-time	76	171	202	251	144
Graduate					
Full-time	218	188	212	219	211
Part-time	498	488	651	483	551

Note: "-" indicates graduate enrollments were not collected from Stratum I institutions in RATE I and II surveys.

Source: AACTE, RATE Institutional Surveys, 1986, 1987, 1988, 1989, 1990, 1991.

Table 14
SCDE Total Enrollments,
Fall 1989

Racial/Ethnic Group	N	%
White	426,748	86.5
Black	33,436	6.8
Hispanic	13,533	2.7
Asian/Pacific Islander	4,469	-
Native American/Alaskan Native	2,282	-
Other	13,138	2.7
TOTAL	493,606	100.0

Note: Percentages may not total 100 percent due to rounding; "-" indicates a value of less than one.
Source: "Teacher Education Enrollment Survey, Fall 1989" AACTE.

Table 15
SCDE Enrollment by Race/Ethnicity and Institutional Type,
Fall 1989

Institutional Type	White %	Black %	Hispanic %	Asian %	Native %	Other %
Lg. Pub PhD	89.6	4.4	1.9	1.1	-	2.6
Lg. Priv PhD	77.7	9.0	4.1	2.9	-	6.0
Lg. Pub Comp	85.7	5.4	3.7	1.0	-	3.7
Lg. Ind Comp	77.1	4.5	11.0	1.1	-	6.1
Pub Comp	85.1	9.8	2.0	-	-	1.5
Pub Comp	83.7	10.4	3.8	-	-	1.6
Ind Comp	89.3	5.6	2.2	-	-	1.9
Pub Bacc	82.7	10.6	1.0	-	1.1	3.8
Ind Bacc	90.6	7.3	-	-	-	-
Ind Bacc	91.1	4.3	1.9	-	-	1.7
Pub Spec	64.5	33.2	-	-	1.2	-
Priv Relig	81.5	3.9	-	-	13.4	-
Priv Spec	80.9	6.3	4.5	1.6	-	5.9

Note: Percentages may not total 100 percent due to rounding; "-" indicates a value of less than one.
Source: "Teacher Education Enrollment Survey, Fall 1989," AACTE.

Table 16
Mean SCDE Undergraduate Enrollments
by Race/Ethnicity, Fall 1989

Racial/Ethnic Group	Avg. Number
White	388
Black	28
Hispanic	11
Asian/Pacific Islander	3
American Indian/Alaskan Native	2
Other	7

Source: "Teacher Education Enrollment Survey, Fall 1989," AACTE.

Table 17
SCDE Undergraduate Enrollment by Academic Field, Fall 1989

Academic Field	N	%
Early Childhood	23,491	7.8
Elementary	130,704	43.5
Secondary	95,537	31.8
Special	22,871	7.6
Bilingual	923	-
Vocational	4,128	1.4
Other	23,062	7.7
Total	300,716	100.0

Note: Percentages may not total 100 percent due to rounding;
"-" indicates a value of less than one.
Source: "Teacher Education Enrollment Survey, Fall 1989," AACTE.

Table 18
Bachelor's Degrees Conferred by Institutions of Higher Education, by Racial/Ethinic Group, Major Field of Study, and Sex of Student, 1989-90[1]

Major field of study	Total							Men							Women						
	Total	White, non-Hispanic	Black non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
All fields, total[2]	1,046,930	882,996	61,074	32,686	39,059	4,338	26,777	490,101	413,469	23,276	14,871	19,617	1,828	17,040	556,829	469,527	37,798	17,815	19,442	2,510	9,737
Business and management	249,081	209,389	15,726	7,182	8,326	827	7,621	132,704	114,068	6,313	3,581	3,643	392	4,707	116,377	95,321	9,413	3,601	4,683	435	2,914
Education	104,715	95,267	4,389	2,853	931	598	677	22,980	20,438	1,189	643	264	157	289	81,735	74,829	3,200	2,210	667	441	388
Engineering	64,077	48,768	2,128	1,935	6,166	150	4,930	54,249	41,669	1,458	1,598	4,958	127	4,439	9,828	7,099	670	337	1,208	23	491
Health sciences	58,816	50,065	4,192	1,610	1,882	163	804	9,235	7,717	515	318	403	38	244	49,581	42,348	3,677	1,292	1,479	225	560
Liberal/general studies	24,956	20,783	1,855	1,219	561	179	359	10,416	8,573	742	420	218	61	202	14,540	12,010	1,113	799	343	118	157
Life sciences	37,170	29,519	2,037	1,288	3,322	133	871	18,325	14,863	672	670	1,613	74	433	18,845	14,656	1,365	618	1,709	59	438
Mathematics	14,597	12,047	734	352	893	47	524	7,812	6,406	349	207	501	24	325	6,785	5,641	385	1245	392	23	199
Social sciences	116,925	98,418	7,148	4,081	4,315	513	2,450	65,248	56,153	3,120	2,122	2,143	255	1,455	51,677	42,265	4,028	1,959	2,172	258	995

[1] Preliminary data

[2] Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported. Excludes 1,387 men and 1,340 women whose racial/ethnic group and field of study were not available

Source: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared November 1991.)

Table 19
Master's Degrees Conferred by Institutions of Higher Education, by Racial/Ethinic Group, Major Field of Study, and Sex of Student: 1989-90[1]

Major field of study	Total							Men							Women						
	Total	White, non-Hispanic	Black non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
All fields, total[2]	321,992	251,518	15,331	7,905	10,646	1,108	35,484	152,907	112,976	5,492	3,566	6,070	465	24,338	169,085	138,542	9,839	4,339	4,576	643	11,146
Business and management	77,203	60,995	3,344	1,631	3,004	193	8,036	50,983	40,334	1,805	1,039	1,902	132	5,771	26,220	20,661	1,539	592	1,102	61	2,265
Education	86,057	73,544	5,585	2,535	1,023	405	2,965	20,834	17,315	1,171	699	254	106	1,289	65,223	56,229	4,414	1,836	769	299	1,676
Engineering	23,953	13,673	812	440	1,983	37	7,408	20,691	11,624	306	369	1,659	29	6,704	3,262	2,049	106	71	724	8	704
Health sciences	20,354	17,147	932	453	633	83	1,106	4,534	3,542	169	123	194	21	485	15,820	13,605	763	330	439	62	621
Liberal/general studies	1,594	1,399	38	45	22	3	87	554	471	11	9	10	0	53	1,040	928	27	36	12	3	34
Life sciences	4,861	3,668	115	94	236	14	734	2,377	1,785	53	49	101	8	381	2,484	1,883	62	45	135	6	353
Mathematics	3,677	2,295	74	47	194	6	1,061	2,205	1,351	39	32	112	4	667	1,472	944	35	15	82	2	394
Social sciences	11,419	7,999	447	284	372	60	2,257	6,758	4,618	220	154	214	26	1,526	4,661	3,381	227	130	158	34	731

Preliminary data

[1]Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported. Excludes 736 men and 1,116 women whose racial/ethnic group and field of study were not available.

Source: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared November 1991.)

Table 20

Doctoral Degrees Conferred by Institutions of Higher Education, by Racial/Ethinic Group, Major Field of Study, and Sex of Student: 1989-90[1]

Major field of study	Total							Men							Women						
	Total	White, non-Hispanic	Black non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alient	Total	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian/ Pacific Islander	American Indian/ Alaskan Native	Non-resident alien
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
All fields, total[2]	37,980	25,793	1,145	783	1,282	102	8,875	24,218	15,102	533	417	910	52	7,204	13,762	10,691	612	366	372	50	1,671
Business and management	1,142	663	18	9	58	3	391	863	440	15	7	51	2	348	279	223	3	2	7	1	43
Education	6,922	5,500	518	161	95	38	610	2931	2,260	177	75	38	16	365	3,991	3,240	341	86	57	22	245
Engineering	4,953	2,069	34	41	315	5	2,486	4,519	1,811	27	38	286	5	2,352	434	258	7	6	29	0	134
Health sciences	1,533	1,131	30	34	63	9	267	697	463	19	12	37	1	165	846	668	20	22	26	8	102
Liberal/general studies	31	24	5	0	0	2	13	10	1	0	0	0	2	18	14	4	0	0	0	0	
Life sciences	3,844	2,806	44	72	166	4	752	2,395	1,720	24	41	98	4	508	1,449	1,086	20	31	86	0	244
Mathematics	915	398	7	5	41	0	464	746	321	5	4	30	0	386	169	77	2	1	11	0	78
Social sciences	3,023	1,982	113	73	95	5	755	2,037	1,250	75	38	62	2	610	986	732	38	35	33	3	145

Preliminary data

[1]Reported racial/ethnic distributions of students by level of degree, field of degree, and sex were used to estimate race/ethnicity for students whose race/ethnicity was not reported. Excludes 153 men and 105 women whose racial/ethnic group and field of study were not available

Source: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), "Completions" survey. (This table was prepared November 1991.)

Table 21
Doctoral Degree Recipients[1] by Gender and Field of Study, 1989-90

Item	All fields	Field of Study								
		Education	Engineering	Humanities	Life sciences	Physical Sciences[2] Total	Physical Sciences[2] Mathematics	Business and management	Social sciences and psychology	Other professional fields
1	2	3	4	5	6	7	8	9	10	11
Doctor's degrees conferred (number)	36,027	6,484	4,892	3,820	6,613	5,859	892	1,038	6,076	1,245
Gender (percent)										
Men	63.7	42.4	91.5	54.4	62.6	81.8	82.3	74.4	53.7	56.1
Women	36.3	57.6	8.5	45.6	37.4	18.2	17.7	25.6	46.3	43.9

[1]Includes Ph.D., Ed.D., and comparable degrees at the doctoral level. Excludes first-professional degrees, such as M.D., D.D.S., and D.V.M.

[2]Includes mathematics, computer science, physics and astronomy, chemistry, and earth, atmospheric, and marine sciences.

Source: National Academy of Sciences, National Research Council, Office of Scientific and Engineering Personnel, Summary Report 1990: Doctorate Recipients from United States Universities. (This table was prepared February 1992.)

Table 22
Doctoral Degree Recipients[1] by Race/Ethnicity and Field of Study, 1989-90

Item	All fields	Field of Study								
		Education	Engineering	Humanities	Life sciences	Physical Sciences[2] Total	Physical Sciences[2] Mathematics	Business and management	Social sciences and psychology	Other professional fields
1	2	3	4	5	6	7	8	9	10	11
Doctor's degrees conferred (number)	36,027	6,484	4,892	3,820	6,613	5,859	892	1,038	6,076	1,245
Racial/ethnic group (percent)[3]										
American Indian	0.4	0.6	0.2	0.3	0.2	0.1	0.2	0.3	0.5	0.7
Asian	4.9	1.7	15.0	2.4	5.5	6.9	6.0	8.8	2.9	3.5
Black	3.8	8.2	1.7	2.3	1.9	0.9	1.0	2.3	4.3	5.7
Mexican-American	0.7	0.9	0.6	0.6	0.8	0.5	0.7	0.6	0.9	0.6
Puerto Rican	0.8	1.0	0.3	0.9	0.7	0.9	0.5	0.2	0.9	0.4
Other Hispanic	1.6	1.4	1.5	2.6	1.2	1.4	1.2	0.8	2.1	1.5
White	86.5	85.4	78.9	89.7	88.3	87.0	88.2	85.7	87.2	86.1
Other and unknown	1.4	0.9	1.9	1.3	1.4	2.3	2.2	1.4	1.2	1.4

[1]Includes Ph.D., Ed.D., and comparable degrees at the doctoral level. Excludes first-professional degrees, such as M.D., D.D.S., and D.V.M.

[2]Includes mathematics, computer science, physics and astronomy, chemistry, and earth, atmospheric, and marine sciences.

Source: National Academy of Sciences, National Research Council, Office of Scientific and Engineering Personnel, Summary Report 1990: Doctorate Recipients from United States Universities. (This table was prepared February 1992.)

Table 23
Statistical Profile of Persons Receiving Doctoral Degrees,[1] by Field of Study, 1989-90

Item	All fields	Field of Study								
		Education	Engineering	Humanities	Life sciences	Physical Sciences[2]		Business and management	Social sciences and psychology	Other professional fields
						Total	Mathematics			
1	2	3	4	5	6	7	8	9	10	11
Doctor's degrees conferred (number)	36,027	6,484	4,892	3,820	6,613	5,859	892	1,038	6,076	1,245
Citizenship (percent)										
United States	67.1	84.4	39.4	78.3	68.0	56.5	41.4	55.7	73.8	74.2
Foreign	26.1	9.7	52.5	15.2	26.3	36.8	51.6	37.3	18.0	19.0
Unknown	6.8	5.8	8.1	6.5	5.6	6.7	7.1	7.0	8.2	6.8
Median age at doctorate (years)	33.9	41.6	31.2	35.7	32.3	30.5	31.0	34.9	34.2	38.0
Percent with bachelor's degree in same field as doctorate	55.4	37.5	76.9	57.1	53.8	67.5	67.6	35.8	55.4	25.7
Median time lapse from bachelor's to doctorate (years)										
Total time	10.5	17.9	8.2	12.2	9.1	7.6	7.9	11.8	10.6	14.5
Registered time	7.0	8.1	6.0	8.3	6.7	6.2	6.4	7.1	7.5	7.9
Postdoctoral activities (percent)										
Postdoctoral study plans	24.3	5.0	20.2	6.7	55.6	42.4	25.6	3.2	15.3	4.9
Fellowship	11.8	1.7	6.2	3.9	31.2	17.8	13.3	0.6	9.1	1.7
Research associateship	9.8	1.4	11.9	1.1	19.1	22.8	8.9	1.6	3.2	1.2
Traineeship	1.1	0.6	1.3	0.4	1.5	1.1	1.9	0.5	1.8	0.5
Other	1.6	1.3	0.8	1.3	3.8	0.8	1.5	0.5	1.2	1.2
Planned postdoctoral employment	66.7	87.0	68.9	83.7	37.0	48.5	63.8	88.2	75.0	86.7
Educational institution	39.5	66.8	22.2	69.3	17.9	20.0	50.4	75.6	38.6	55.6
Industry, business	14.0	5.4	35.5	4.6	8.0	21.8	9.0	8.0	12.8	8.2
Government	5.7	6.0	7.0	1.9	6.1	4.0	1.3	1.5	8.8	5.4
Nonprofit organization	3.9	4.3	1.4	4.1	2.1	0.6	0.6	0.9	9.1	13.4
Other and unknown	3.6	8.1	2.8	3.8	2.9	2.2	2.5	2.1	5.7	4
Postdoctoral status unknown	9.0	2.7	10.9	9.6	7.4	9.1	10.7	8.7	9.7	2.3
Definite postdoctoral study	17.0	2.7	11.1	3.7	42.9	30.5	16.8	2.3	9.7	2.5
Seeking postdoctoral study	7.3	2.3	9.1	3.0	12.7	11.9	8.7	0.9	5.5	1
Definite employment	47.3	65.0	46.3	55.6	25.3	34.9	43.7	73.3	52.1	71
Seeking employment	19.4	21.9	22.6	28.1	11.7	13.6	20.1	14.8	22.9	16.7
Primary activity (percent)										
Research and development	28.6	5.8	65.2	8.3	44.9	56.6	35.6	34.4	23.1	11.1
Teaching	32.5	32.6	15.4	65.6	24.2	22.7	42.1	46.1	26.9	43.3
Administration	11.5	33.1	1.9	4.4	5.9	1.8	0.0	3.5	5.6	10.5
Professional services	12.5	10.8	5.9	4.8	12.0	4.9	3.6	2.5	31.0	15.9
Other	1.0	0.7	0.8	1.0	1.5	1.3	0.8	0.1	0.9	2.9
Region of employment after doctorate (percent)										
New England	6.1	6.4	4.8	7.2	4.3	5.6	4.6	5.3	7.4	5.3
Middle Atlantic	14.1	13.4	13.9	14.5	11.0	14.6	14.6	11.7	17.3	11.5
East North Central	13.4	14.4	12.6	14.4	11.0	13.0	12.8	16.2	12.6	14.4
West North Central	6.6	7.7	3.3	8.7	7.6	4.6	5.9	7.2	6.8	6.6
South Atlantic	15.3	18.3	11.2	14.1	15.9	14.6	14.9	14.2	15.6	14.8
East South Central	4.5	5.3	3.8	4.6	3.8	3.3	2.3	5.9	3.8	6.6
West South Central	8.2	9.3	8.1	7.3	7.2	9.1	3.8	10.2	6.0	11.7
Mountain	5.2	5.2	6.4	5.2	3.6	5.5	4.6	5.3	4.9	5.3
Pacific and insular	11.3	9.8	12.8	12.6	10.2	13.2	12.1	9.1	11.8	9.1
Foreign	11.1	5.4	17.9	7.2	22.6	11.7	17.2	11.6	9.6	11.2
Region unknown	4.4	4.8	5.2	4.3	2.8	4.8	7.2	3.4	4.2	3.6

[1]Includes Ph.D., Ed.D., and comparable degrees at the doctoral level. Excludes first-professional degrees, such as M.D., D.D.S., and D.V.M.

[2]Includes mathematics, computer science, physics and astronomy, chemistry, and earth, atmospheric, and marine sciences.

Source: National Academy of Sciences, National Research Council, Office of Scientific and Engineering Personnel, Summary Report 1990: Doctorate Recipients from United States Universities. (This table was prepared February 1992.)

Table 24
Statistical Profile of Persons Receiving Doctoral Degrees in Education, 1979-80 to 1989-90

Item	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
1	2	3	4	5	6	7	8	9	10	11	12
Number of doctorates	7,576	7,489	7,226	7,147	6,780	6,717	6,602	6,447	6,349	6,265	6,484
Gender (percent)											
Men	55.5	52.8	51.2	49.6	49.0	48.2	45.6	44.9	44.8	42.5	42.4
Women	44.5	47.2	48.8	50.4	51.0	51.8	54.4	55.1	55.2	57.5	57.6
Racial/ethnic group (percent)1											
American Indian	0.8	0.6	0.5	0.7	0.5	0.7	0.5	0.7	0.6	0.4	0.6
Asian	1.3	1.8	1.7	1.9	1.5	1.7	1.6	1.7	2.4	1.9	1.7
Black	8.8	8.8	9.5	8.1	8.5	8.6	8.0	7.3	7.5	8.0	8.2
Mexican-American	0.8	1.1	1.2	1.3	1.2	1.2	1.4	1.3	1.2	0.9	0.9
Puerto Rican	0.4	0.6	0.7	0.7	0.6	1.0	0.9	0.9	0.8	1.0	1.0
Other Hispanic	1.1	0.7	1.0	0.9	0.8	1.0	1.3	1.3	0.9	1.2	1.4
White	83.1	83.1	83.6	84.8	85.1	84.5	84.8	85.1	85.3	85.7	85.4
Other and unknown	3.7	3.3	1.8	1.7	1.8	1.4	1.6	1.6	1.2	0.9	0.9
Citizenship (percent)											
United States	88.7	87.7	86.6	87.1	86.8	85.5	84.7	84.9	83.1	82.9	84.4
Foreign	8.2	8.8	9.9	9.8	9.8	10.4	9.6	9.2	10.2	9.7	9.7
Unknown	3.1	3.6	3.5	3.1	3.4	4.1	5.6	6.0	6.7	7.4	5.8
Median age at doctorate (years)	37.0	37.3	37.4	37.8	38.4	38.7	39.4	39.8	40.5	41.1	41.6
Percent with bachelor's degree in same field as doctorate	39.0	38.9	39.9	39.5	39.6	38.7	39.0	37.8	36.9	38.5	37.5
Median time lapse from bachelor's to doctorate (years)											
Total time	13.1	13.5	13.6	14.1	14.6	15.1	15.7	16.2	16.9	17.3	17.9
Registered time	6.9	7.0	7.2	7.4	7.6	7.6	7.8	7.9	8.1	8.2	8.1

[1]Longitudinal comparisons by race/ethnicity should be done with extreme care, due to periodic changes in the survey

Source: National Academy of Sciences, National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File. (This table was prepared February 1992.)

Table 25
Mean Number SCDE Program Completers,
by Institution Size, Program Level, and Gender, 1990

	Mean			
	Basic Programs		Advanced Programs	
Institution Size	Female	Male	Female	Male
Small	31.3	8.8	10.7	3.1
Medium	124.5	35.4	68.3	23.9
Large	324.8	96.7	68.3	23.9
All	120.3	34.6	88.1	34.0
	n=69,395	*n*=19,839	*n*=35,055	*n*=13,479

Note: "*n*" equals true total number of completers in that group
Source: AACTE/NCATE 1990 Joint Data Collection System

Table 26
Mean Number of SCDE Basic Program Completers,
by Race/Ethnicity and Institution Size, 1990

Race/Ethnicity	Mean			
	Small	Medium	Large	Total
American Indian/Alaskan Native *n*=373	-	-	2.3	-
Asian/Pacific Islander *n*=969	-	-	7.6	1.7
Black, Not Hispanic Origin *n*=2,774	2.3	4.9	11.4	4.9
Hispanic *n*=2,869	-	2.9	21.9	5.1
White, Not Hispanic Origin *n*=68,125	33.6	124.1	322.5	120.1
Nonresident Alien *n*=392	-	-	1.6	-

Note: "-" indicates a value of less than one; "*n*" equals true number of completers in that group.
Source: AACTE/NCATE 1990 Joint Data Collection System

III
Financial Resources

Financial Resources

This section provides information regarding the fiscal health of SCDEs. "External funding" refers to funds from outside the institution, such as foundation grants, for example (see table 26). Information on the SCDE mean budget, coupled with library expenditures, is often used to provide insight into an institution's commitment to teacher education (see table 27). These tables can be used to indicate the status of the profession nationally in terms of its need and ability to seek external funding to support education programs.

Table 27
SCDE Mean Budget
by Institution Size, 1990

Institution Size	Mean
Small *n*=237	$ 577,768
Medium *n*=283	2,472,245
Large *n*=104	5,803,130
All *n*=624	2,307,855

Note: *"n"* equals number of institutions.
Source: AACTE/NCATE 1990 Joint Data Collection System

Table 28
SCDE Mean External Funding
by Institution Size, 1990

Institution Size	Mean
Small *n*=227	$ 127,804
Medium *n*=277	486,881
Large *n*=104	1,403,196
All *n*=608	509,556

Note: *"n"* equals number of institutions.
Source: AACTE/NCATE 1990 Joint Data Collection System

Table 29
SCDE Mean Library Expenditures by Institution Size, 1990

Institution Size	Total Library	Education Resources	Unit Expenditures
Small	$ 268,917	$15,351	$13,541
	n=235	*n*=219	*n*=195
Medium	768,740	36,433	19,377
	n=281	*n*=263	*n*=240
Large	1,657,559	64,860	25,305
	n=105	*n*=98	*n*=94
All	729,879	33,276	18,279
	n=621	*n*=580	*n*=529

Note: *"n"* equals number of institutions.
Source: AACTE/NCATE 1990 Joint Data Collection System

IV
Practitioners

Practitioners

The information provided in this section is designed to show a profile of practicing teachers and to answer the most asked questions regarding race/ethnicity, gender, age, salary, and characteristics of "movers, stayers, and leavers." Some comparative tables are provided to relate teachers to other professionals.

The data on primary occupation by degree/field are useful for comparing education majors with those in other fields in terms of their choices for employment (table 30). The information provided relative to the race/ethnicity of teachers indicates that although the diversity of the teaching force is increasing, it is not on par with that of the K-12 student population (see table 31). For more information relative to the relationship between the race/ethnicity of the K-12 student population, the teaching force, and teacher education, please refer to *Teacher Education Pipeline II: Schools, Colleges and Departments of Education Enrollments by Race and Ethnicity*, AACTE, 1991.

Tables have also been provided on gender, level, and age. This information is cross-tablulated by region and other characteristics to provide some insight into the national makeup of the teaching force (see tables 32-37). The information indicates that the older cadres of teachers may be more equitably distributed by gender, as well race/ethnicity, than the younger cadres (see in particular, table 36-37).

Contract salary is also provided by gender and race to show any differences. The data indicate that women continue to be compensated less than their male counterparts, even though they represent the majority of the teaching force (see tables 38-39).

Information provided on attrition at the end of the section can give one insight into why teachers are leaving, what they look like, and where they are going (see table 40-45). "Movers" are teachers who moved to a different school between school years 1987-88 and 1988-89. "Stayers" are teachers who stayed in the same school between the school years identified. "Leavers" are teachers who left the teaching profession between the school years identified.

Table 30
Primary Occupation by Degree and Field for Persons 18 to 64 Years, Spring 1990
(Numbers in thousands)

Degree, field	Primary occupation															
	Total	Executive, administrative	Professional specialty	Technicians and related support	Sales	Administrative support, includes clerical	Private household	Protective service	Service, except protective and household	Precision production, craft, and repair	Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	Farming, forestry and fishing	Armed forces	No reported work
ALL DEGREES																
Total	152,815	14,873	15,752	4,192	13,306	18,815	580	2,086	12,941	13,804	8,210	5,292	5,153	3,146	1,045	33,618
Agriculture/Forestry	442	66	103	25	67	14	4	-	11	34	13	18	7	59	4	18
Biology	855	167	271	70	80	56	-	10	8	20	20	11	-	14	9	120
Business/Management	8,105	2,832	746	225	1,334	1,225	8	82	174	181	96	93	55	61	84	807
Economics	623	192	73	20	111	57	-	10	8	11	12	8	11	3	4	103
Education	5,445	725	2,844	81	299	305	7	33	158	60	28	36	19	27	4	820
Engineering	3,595	584	1,350	391	235	199	-	8	44	271	68	59	41	13	37	295
English/Journalism	1,225	260	372	16	123	99	-	-	33	10	10	-	10	16	14	263
Home Economics	358	40	103	-	31	49	-	-	32	12	-	4	-	-	-	86
Law	1,008	107	661	23	21	57	-	12	8	13	2	3	4	-	7	89
Liberal Arts/Humanities	3,661	513	1,064	136	386	426	3	34	189	137	112	41	46	15	18	540
Mathematics/Statistics	819	166	294	34	69	54	-	3	39	60	8	-	5	4	11	73
Medicine/Dentistry	1,015	50	676	73	10	23	-	-	36	4	6	4	4	5	-	124
Nursing/Pharmacy/Technical Health	3,767	277	1,714	421	140	235	26	15	322	30	33	14	5	10	5	522
Physical/Earth Sciences	937	153	298	152	59	54	-	19	49	31	4	15	3	3	5	92
Police Science/Law Enforcement	460	58	47	18	21	33	-	154	13	15	5	24	14	-	5	54
Psychology	1,128	207	435	54	81	138	-	6	42	19	4	4	-	6	11	122
Religion/Theology	474	75	290	8	19	20	-	10	4	19	-	-	7	4	-	18
Social Sciences	1,972	463	498	68	193	246	4	40	108	40	20	11	20	7	9	242
Vo-tech Studies	2,746	208	151	227	193	423	7	47	272	608	99	57	47	39	17	362
Other	3,041	629	713	120	340	347	5	51	184	141	38	16	22	13	64	358
No postsecondary degree-no field	111,128	7,101	3,048	2,030	9,494	14,755	517	1,553	11,208	11,989	8,210	5,292	4,832	2,849	738	28,511
BACHELOR'S																
Total	20,690	4,598	5,771	1,090	2,299	1,772	15	250	675	678	226	195	137	174	181	2,630
Agricultural/Forestry	206	24	54	4	30	4	-	-	5	23	8	5	-	30	4	14
Biology	636	124	141	66	72	47	-	5	8	16	13	11	-	14	9	110
Business/Management	4,512	1,753	359	143	860	481	-	38	91	186	34	59	31	36	30	410
Economics	521	162	47	20	101	44	-	10	8	9	7	8	11	2	3	86
Education	3,022	326	1,457	61	203	188	2	21	133	26	17	25	19	25	-	518
Engineering	2,169	386	845	234	170	73	-	-	38	138	32	45	8	13	28	159
English/Journalism	949	204	279	12	85	83	-	-	30	10	5	-	10	16	14	201
Home Economics	253	22	82	-	28	49	-	-	9	7	-	-	-	-	11	44
Law	68	9	11	8	2	19	-	-	-	6	-	2	-	-	-	12
Liberal Arts/Humanities	2,096	313	639	91	218	207	3	16	90	66	50	6	24	8	14	320
Mathematics/Statistics	462	121	152	27	43	41	-	3	-	19	-	-	-	-	11	44
Medicine/Dentistry	130	5	13	45	4	5	-	-	4	-	6	-	-	-	-	48
Nursing/Pharmacy/Technical Health	1,284	110	710	96	41	79	4	4	66	13	2	8	-	10	-	142
Physical/Earth Sciences	491	104	129	98	36	25	-	10	14	8	4	3	3	3	5	48
Police Science/Law Enforcement	196	18	23	15	12	18	-	78	-	-	5	-	-	-	-	27
Psychology	663	132	201	41	70	80	-	6	38	12	-	4	0	6	3	70
Religion/Theology	134	20	64	8	3	2	-	-	4	19	-	-	7	4	-	4

"-" Represents zero

Includes those not in the labor force

Source: Current Population Reports Household Economic Studies P70-32, 1990
U.S. Department of Commerce, Economics and Statistics Administration, Bureau of the Census

Table 31
Teachers in Public and Private Elementary and Secondary Schools, by Selected Characteristics, 1987-88

Selected characteristics	Total	Percent of teachers, by highest degree earned						Percent of teachers, by years of full-time teaching experience			
		No degree	Associate	Bachelor's	Master's	Education Specialist	Doctor's	Less than 3	3 to 9	10 to 20	Over 20
1	2	3	4	5	6	7	8	9	10	11	12
Public schools											
Total	2,323,204	0.2	0.4	52.2	40.0	6.3	0.9	8.0	26.0	44.5	21.4
Gender											
Men	681,161	0.6	1.2	44.2	44.9	7.5	1.6	6.2	19.5	44.3	29.9
Women	1,631,168	(1)	0.1	55.5	37.9	5.7	0.6	8.7	28.8	44.6	17.8
Race/Ethnicity											
White	1,994,389	0.2	0.4	52.1	40.3	6.2	0.8	8.0	26.6	44.4	21.0
Black	187,836	(1)	(1)	49.7	42.4	6.6	(1)	6.1	19.4	46.3	28.2
Hispanic	67,084	(1)	(1)	84.5	29.9	6.7	(1)	11.9	33.2	40.9	13.9
Asian or Pacific Islander	20,709	(1)	(1)	52.8	28.7	13.5	(1)	11.2	22.1	43.0	23.7
American Indian or Alaskan Native	23,998	(1)	(1)	50.1	40.5	7.5	(1)	5.7	24.3	49.7	20.2
Age											
Less than 30	310,901	(1)	(1)	82.9	15.4	1.1	(1)	36.5	63.2	(1)	(1)
30 to 39	813,204	(1)	0.3	53.3	40.6	5.2	0.5	6.0	33.6	60.2	(1)
40 to 49	752,301	0.2	0.5	44.2	46.0	7.8	1.3	2.3	14.0	55.0	28.6
50 or more	416,857	0.5	0.8	42.3	45.5	9.3	1.6	1.2	5.7	27.9	65.0
Level											
Elementary	1,181,578	(1)	(1)	56.8	36.9	5.6	0.6	8.4	27.4	44.3	19.8
Secondary	1,141,626	0.4	0.9	47.3	43.2	7.0	1.3	7.6	24.6	44.7	23.0
Private Schools											
Total	307,131	2.9	1.5	61.3	29.7	2.9	1.7	18.4	37.4	29.8	13.5
Gender											
Men	66,785	(1)	(1)	50.9	38.2	3.6	5.0	18.5	28.9	33.7	18.6
Women	239,975	3.2	1.7	64.2	27.4	2.7	0.8	18.4	39.8	28.8	12.1
Race/ethnicity											
White	281,152	2.9	1.3	61.2	30.3	2.7	1.6	18.4	37.7	30.2	13.8
Black	7,015	(1)	(1)	69.1	16.6	(1)	(1)	27.0	42.2	21.3	(1)
Hispanic	8,569	(1)	(1)	60.8	19.7	(1)	(1)	22.0	41.4	25.8	(1)
Asian or Pacific Islander	3,491	(1)	(1)	56.2	(1)	(1)	(1)	(1)	(1)	(1)	(1)
American Indian or Alaskan Native	2,747	(1)	(1)	93.7	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Age											
Less than 30	65,843	3.5	(1)	83.4	11.4	(1)	(1)	47.3	51.4	(1)	(1)
30 to 39	104,287	2.6	2.2	59.3	31.4	3.1	(1)	15.6	45.4	38.2	(1)
40 to 49	83,021	2.4	(1)	51.9	39.1	3.1	2.6	8.0	31.6	44.0	15.4
50 or more	49,378	3.3	(1)	52.4	34.7	5.1	(1)	4.0	11.1	27.5	56.8
Level											
Elementary	159,893	3.8	1.8	70.9	21.0	2.1	(1)	18.4	40.5	28.7	11.8
Secondary	147,238	1.9	1.1	50.9	39.2	3.7	3.1	18.5	34.0	31.0	15.4

[1] Too few sample cases (fewer than 30) for a reliable estimate.

Source: U.S. Department of Education, National Center for Education Statistics, "Schools and Staffing Survey, 1987-88." (This table was prepared June 1990.)

Table 32
Race/Ethnicity of Public School Teachers by Stratum and Region, 1991

Race/Ethnicity		Total	Stratum			Region				Race	
			Large 25K +	Med: 3K - 24999	Small 1-2999	North East	South East	Middle	West	Minority	White
		1	2	3	4	5	6	7	8	9	10
American Indian/Alaska Native	*n*	11	1	2	8	1	1	7	2	11	-
	%	.9	.3	.4	2.0	.4	.3	1.9	.6	6.5	-
Asian/Pacific Islander	*n*	18	13	4	1	1	1	4	12	18	-
	%	1.4	3.6	.7	.3	.4	.3	1.1	3.5	10.6	-
Black	*n*	103	68	31	4	22	56	13	10	103	-
	%	8.0	19.0	5.8	1.0	8.9	17.7	3.6	2.9	60.6	-
Caucasian (not of Spanish origin)	*n*	1,118	255	488	375	220	251	332	296	-	1,118
	%	86.8	71.2	90.7	95.7	89.1	79.2	91.7	86.8	-	100.0
Hispanic	*n*	38	21	13	4	3	8	6	21	38	-
	%	3.0	5.9	2.4	1.0	1.2	2.5	1.7	6.2	22.4	-
Total	*n*	1,288	358	538	392	247	317	362	341	170	1,118
	%	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	100.0
No response		63	23	24	16	11	24	15	10	0	0

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 33
Race/Ethnicity of Public School Teachers by Age, Gender, and Level, 1991

Race/Ethnicity		Total	Age				Gender		Level			
			Under 30	30 to 39	40 to 49	50 or More	Male	Female	Elem	Mid/ Jr High	Sr High	Comb Sec
		11	12	13	14	15	16	17	18	19	20	21
American Indian/Alaska Native	*n*	11	1	4	4	2	2	9	4	2	5	7
	%	.9	.7	1.2	.8	.7	.6	1.0	.6	.8	1.3	1.1
Asian/Pacific Islander	*n*	18	2	2	8	5	3	13	10	4	3	7
	%	1.4	1.4	.6	1.6	1.8	.8	1.4	1.6	1.6	.8	1.1
Black	*n*	103	10	22	40	25	21	79	56	20	24	44
	%	8.0	7.1	6.6	7.9	8.8	5.9	8.8	8.9	7.8	6.2	6.9
Caucasian (not of Spanish orgin)	*n*	1,118	125	286	444	249	317	773	536	225	341	566
	%	86.8	88.7	85.9	87.6	87.4	89.8	85.8	85.5	87.9	88.6	88.3
Hispanic	*n*	38	3	19	11	4	10	27	21	5	12	17
	%	3.0	2.1	5.7	2.2	1.4	2.8	3.0	3.3	2.0	3.1	2.7
Total	*n*	1,288	141	333	507	285	353	901	627	256	385	641
	%	100.1	100.0	100.0	100.1	100.1	99.9	100.0	99.9	100.1	100.0	100.1
No response		63	5	18	11	17	8	32	36	12	9	21

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 34
Gender of Public School Teachers by Stratum, Region, and Race, 1991

Gender		Total	Stratum			Region				Race	
			Large 25K +	Med: 3K - 24999	Small 1-2999	North East	South East	Middle	West	Minority	White
		1	2	3	4	5	6	7	8	9	10
Male	*n*	361	95	154	112	74	64	109	108	36	317
	%	27.9	26.4	28.7	27.1	29.5	20.0	30.4	31.4	22.0	29.1
Female	*n*	993	265	382	286	177	256	249	236	128	773
	%	72.1	73.6	71.3	71.9	70.5	80.0	679.6	68.6	78.0	70.9
Total	*n*	1,294	360	536	398	251	320	358	344	164	1,090
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No response		57	21	26	10	7	21	19	7	6	28

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 35
Gender of Public School Teachers by Age, Gender, and Level, 1991

Gender		Total	Age				Gender		Level			
			Under 30	30 to 39	40 to 49	50 or More	Male	Female	Elem	Mid/ Jr High	Sr High	Comb Sec
		11	12	13	14	15	16	17	18	19	20	21
Male	n	361	32	83	149	96	361	-	77	77	201	278
	%	27.9	22.4	24.3	30.0	32.7	100.0	-	12.0	30.0	53.3	43.8
Female	n	933	111	258	348	198	-	933	563	180	176	356
	%	72.1	77.6	75.7	70.0	67.3	-	100.00	88.0	70.0	46.7	56.2
Total	n	1,294	143	341	497	294	361	933	640	257	377	634
	%	100.00	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No response		57	3	10	21	8	0	0	23	11	17	28

Note: Percentages may not total 100 because of rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 36
Age of Public School Teachers by Stratum, Region, and Race, 1991

Age		Total	Stratum			Region				Race	
			Large 25K +	Med: 3K - 24999	Small 1-2999	North East	South East	Middle	West	Minority	White
		1	2	3	4	5	6	7	8	9	10
18-24	*n*	21	5	10	6	1	6	7	5	-	20
	%	1.6	1.4	1.8	1.5	.4	1.8	1.9	1.5	-	1.8
25-29	*n*	125	41	41	43	9	41	24	50	16	105
	%	9.5	11.3	7.4	10.7	3.6	12.5	6.5	14.6	9.9	9.5
30-34	*n*	139	29	64	46	24	39	37	38	16	116
	%	10.6	8.0	11.6	11.4	9.5	11.9	10.0	11.1	9.9	10.5
35-39	*n*	212	57	93	62	33	65	53	58	31	170
	%	16.1	15.7	16.9	15.4	13.1	19.9	14.3	16.9	19.1	15.4
40-44	*n*	299	86	123	90	59	67	99	71	37	254
	%	22.7	23.7	22.3	22.3	23.4	20.5	26.7	20.7	22.8	23.0
45-49	*n*	219	61	100	58	54	53	51	53	26	190
	%	16.6	16.8	18.1	14.4	21.4	16.2	13.7	15.5	16.0	17.2
50-54	*n*	158	49	63	46	28	28	52	46	22	126
	%	12.0	13.5	11.4	11.4	11.1	8.6	14.0	13.4	13.6	11.4
55-59	*n*	85	17	36	32	31	16	24	13	8	72
	%	6.5	4.7	6.5	7.9	12.3	4.9	6.5	3.8	4.9	6.5
60-64	*n*	48	16	16	16	12	10	17	8	5	42
	%	3.6	4.4	2.9	4.0	4.8	3.1	4.6	2.3	3.1	3.8
65-70	*n*	11	2	5	4	1	2	7	1	1	9
	%	.8	.6	.9	1.0	.4	.6	1.9	.3	.6	.8
Total	*n*	1,317	363	551	403	252	327	371	343	162	1,104
	%	100.0	100.1	99.8	100.0	100.0	100.0	100.1	100.1	99.9	99.9
Mean		42.3	42.3	42.3	42.2	44.8	40.8	43.2	40.8	42.3	42.3
Median		42.0	43.0	42.0	42.0	44.0	41.0	43.0	41.0	42.0	42.0
Low		21.0	23.0	21.0	22.0	22.0	22.0	21.0	23.0	25.0	21.0
High		72.0	67.0	72.0	67.0	68.0	66.0	72.0	65.0	66.0	71.0
Std. Dev		9.52	9.53	9.31	9.82	8.94	9.42	9.71	9.33	8.97	9.55
Std. Err		.26	.50	.40	.49	.56	.52	.50	.50	.71	.29
No Resp		30	15	10	5	6	11	6	7	7	13
Not App		4	3	1	0	0	3	0	1	1	1

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 37
Age of Public School Teachers by Gender, and Level, 1991

Age		Total	Age				Gender		Level			
			Under 30	30 to 39	40 to 49	50 or More	Male	Female	Elem	Mid/ Jr High	Sr High	Comb Sec
		11	12	13	14	15	16	17	18	19	20	21
18-24	*n*	21	21	-	-	-	9	12	9	4	8	12
	%	1.6	14.4	-	-	-	2.5	1.3	1.4	1.5	2.1	1.9
24-29	*n*	125	125	-	-	-	23	99	71	29	23	52
	%	9.5	85.6	-	-	-	6.4	10.8	10.9	11.1	6.0	8.0
30-34	*n*	139	-	139	-	-	31	105	69	33	36	69
	%	10.6	-	39.6	-	-	8.6	11.5	10.6	12.6	9.3	10.7
35-39	*n*	212	-	212	-	-	52	153	104	42	65	107
	%	16.1	-	60.4	-	-	14.4	16.7	16.0	16.1	16.8	16.5
40-44	*n*	299	-	-	299	-	87	200	150	55	91	146
	%	22.7	-	-	57.7	-	24.2	21.9	23.0	21.1	23.6	22.6
45-49	*n*	219	-	-	219	-	62	148	93	47	76	123
	%	16.6	-	-	42.3	-	17.2	16.2	14.3	18.0	19.7	19.0
50-54	*n*	158	-	-	-	158	53	98	68	28	57	85
	%	12.0	-	-	-	52.3	14.7	10.7	10.4	10.7	14.8	13.1
55-59	*n*	85	-	-	-	85	27	58	51	16	17	33
	%	6.5	-	-	-	28.1	7.5	6.3	7.8	6.1	4.4	5.1
60-64	*n*	48	-	-	-	48	13	35	29	6	10	16
	%	3.6	-	-	-	15.9	3.6	3.8	4.5	2.3	2.6	2.5
65-70	*n*	11	-	-	-	11	3	7	7	1	3	4
	%	.8	-	-	-	3.6	.8	.8	1.1	.4	.8	.6
Total	*n*	1,317	146	351	518	302	360	915	651	261	386	647
	%	100.0	100.0	100.0	100.0	99.9	9.9	100.0	100.0	99.9	100.1	100.0
Mean		42.3	26.5	35.1	44.0	55.2	43.2	41.9	42.3	41.3	42.7	42.2
Median		42.0	27.0	36.0	44.0	54.0	43.0	42.0	42.0	42.0	43.0	42.0
Low		21.0	21.0	30.0	40.0	50.0	21.0	22.0	22.0	24.0	21.0	21.0
High		72.0	29.0	39.0	49.0	72.0	66.0	71.0	72.0	67.0	67.0	67.0
Std. Dev		9.52	1.92	2.84	2.64	4.49	9.30	9.64	10.03	9.25	8.67	8.93
Std. Err		.26	.16	.15	.12	.26	.49	.32	.39	.57	.44	.35
No Resp		30	0	0	0	0	1	18	11	6	7	13
Not App		4	0	0	0	0	0	0	1	1	1	2

Note: Percentage may not add to 100 due to rounding
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 38
Public School Teacher Annual Contract Salary
School Year 1990-91, by Stratum, Region, and Race

Contract Salary		Total	Stratum			Region				Race	
			Large 25K +	Med: 3K - 24999	Small 1-2999	North East	South East	Middle	West	Minority	White
		1	2	3	4	5	6	7	8	9	10
Less than $20,000	*n*	88	19	30	39	3	31	24	29	3	82
	%	7.2	5.7	6.0	10.3	1.2	10.4	7.3	9.1	2.0	8.0
$20,000-24,999	*n*	231	50	98	83	8	82	64	73	32	190
	%	19.0	15.0	19.4	22.0	3.3	27.6	19.3	22.8	21.2	18.5
$25,000-29,999	*n*	262	59	106	97	37	78	74	69	32	225
	%	21.6	17.7	21.0	25.7	15.2	26.3	22.4	21.6	21.2	21.9
$30,000-34,999	*n*	215	60	90	65	44	60	64	45	33	175
	%	17.7	18.0	17.9	17.2	18.0	20.2	19.3	14.1	21.9	17.0
$35,000 or more	*n*	418	145	180	93	152	46	105	104	51	355
	%	34.4	43.5	35.7	24.7	62.3	15.5	31.7	32.5	33.8	34.6
Total	*n*	1,214	333	504	377	244	297	331	320	151	1,027
	%	99.9	99.9	100.0	99.9	100.0	100.0	100.0	100.1	100.1	100.0
Mean		31,790	33,180	32,337	29,830	39,337	27,561	30,722	30,763	31,457	31,814
Median		30,000	32,966	30,518	28,100	38,683	26,500	30,000	29,000	30,000	30,000
Low		10,000	12,000	10,000	10,000	14,000	10,000	10,500	13,800	13,104	10,000
High		65,000	57,500	65,000	61,279	65,000	52,000	54,000	52,500	52,000	65,000
Std. Dev		9,615.2	9,237.5	9,852.9	9,331.6	10,234.1	6,911.5	8,348.8	9,075.8	7,775.6	9,777.8
Std. Err		276.0	506.2	438.9	480.6	655.2	401.0	458.9	507.4	632.8	305.1
No Resp		137	48	58	31	14	44	46	31	19	91

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 39
Public School Teacher Annual Contract Salary
School Year 1990-91, by Age, Gender, and Level

Contract Salary			Age				Gender		Level			
		Under Total	30 to 30	40 to 39	50 or 49	More	Male	Female	Mid/ Elem	Sr Jr High	Comb High	Sec
		11	12	13	14	15	16	17	18	19	20	21
Less than $20,000	*n*	88	38	26	20	2	15	68	45	21	22	43
	%	7.2	27.9	8.4	4.2	.7	4.5	8.1	7.6	8.9	6.0	7.1
$20,000-24,999	*n*	231	62	87	62	16	51	173	112	55	62	117
	%	19.0	45.6	28.2	13.0	5.9	15.2	20.5	19.0	23.2	16.9	19.4
$25,000-29,999	*n*	262	29	97	92	39	58	198	138	42	77	119
	%	21.6	21.3	31.4	19.2	14.3	17.3	23.5	23.4	17.7	21.0	19.7
$30,000-34,999	*n*	215	4	48	111	50	54	153	113	36	63	99
	%	17.7	2.9	15.5	23.2	18.3	16.1	18.1	19.1	15.2	17.2	16.4
$35,000-or more	*n*	418	3	51	193	166	158	251	183	83	142	225
	%	34.4	2.2	16.5	40.4	60.8	47.0	29.8	31.0	35.0	38.8	37.3
Total	*n*	1,214	136	309	478	273	336	843	591	237	366	603
	%	99.9	99.9	100.0	100.0	100.0	100.1	100.0	100.1	100.0	99.9	99.9
Mean		31,790	22,625	27,985	33,391	37,971	34,492	30,781	31,231	31,226	32,938	32,265
Median		30,000	22,000	26,500	32,500	37,058	33,500	9,254	30,000	30,000	31,500	31,000
Low		10,000	12,015	10,000	10,000	16,497	15,400	10,000	10,000	10,000	13,104	10,000
High		65,000	45,000	56,000	59,656	65,000	65,000	65,000	65,000	59,900	65,000	65,000
Std. Dev		9,615.2	4,615.7	7,424.9	9,010.8	9,476.4	10,017.6	9,265.3	9,193.2	10,240.6	9,870.8	10,044.2
Std. Err		276.0	395.8	422.4	412.6	573.5	546.5	319.1	378.2	665.2	516.0	409.0
No Resp		137	10	42	40	29	25	90	72	31	28	59

Note: Percentages may not total 100 due to rounding.
Source: *Status of the American Public School Teachers*, 1991. National Education Association, Washington, DC.

Table 40
Attrition Rates From the Teaching Profession, by Selected Characteristics of Teachers, 1987-88 to 1988-89

1987-88 base year characteristics	Public in 1987-88 %	Private in 1987-88 %
Total	5.6	12.7
Gender		
Male	5.1	10.2
Female	5.8	13.4
Not reported	-	-
Age		
Less than 30	9.0	17.6
30 to 39	5.0	11.8
40 to 49	2.3	10.9
50 or more	9.8	12.2
Not reported	12.9	-
Full-time teaching experience		
1 year	8.9	15.8
2 years	12.2	15.0
3 years	8.8	18.1
4 to 9 years	4.9	12.9
10 to 20 years	4.2	10.7
More than 20 years	5.7	11.0
Not reported	12.3	29.3
Degree earned		
Less than bachelor's	3.2	26.5
Bachelor's	5.6	12.7
Master's	5.5	10.4
Education specialist	6.3	23.3
Doctorate or professional	4.3	-
Race/ethnicity		
Am. Indian, Aleut, Eskimo	3.1	-
Asian or Pacific Islander	4.2	-
Black, non-Hispanic	5.1	34.9
White, non-Hispanic	5.7	12.1
Hispanic	2.9	21.2
Not reported	6.1	-
Level taught		
Elementary	5.5	12.6
Secondary	5.6	12.9

Note: The attrition rate is true percentage of teachers who left the teaching profession between the school years 1987-88 and 1988-89; "- " equals too few cases for a reliable estimate.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

Table 41
Number of Stayers, Movers, and Leavers by Selected Characteristics of Teachers, 1988-89

1987-88 base year characteristics	Public in 1987-88			Private in 1987-88		
	Stayers	Movers	Leavers	Stayers	Movers	Leavers
Total	2,052,383	185,960	131,851	239,892	29,352	39,317
Gender						
Male	608,663	49,885	35,284	54,020	3,920	6,606
Female	1,437,351	135,242	96,007	185,872	25,300	32,711
Not reported	-	-	-	-	-	-
Age						
Less than 30	242,789	49,358	28,977	41,685	10,689	11,158
30 to 39	688,013	69,979	40,084	87,300	9,497	12,981
40 to 49	747,714	48,326	19,057	68,568	6,301	9,161
50 or more	352,352	15,777	40,184	38,928	2,499	5,771
Not reported	-	-	-	-	-	-
Full-time teaching experience						
1 year	42,564	7,580	4,876	8,862	2,017	2,041
2 years	36,480	6,266	5,928	10,583	1,990	2,227
3 years	38,846	7,482	4,462	8,700	1,523	2,258
4 to 9 years	234,707	32,687	13,882	52,365	8,646	9,067
10 to 20 years	511,299	36,260	23,977	57,267	5,094	7,505
More than 20 years	1,175,404	93,818	76,629	94,473	9,583	12,852
Not reported	-	-	2,099	7,642	-	3,367
Degree earned						
Less than bachelor's	-	-	-	8,375	-	3,460
Bachelor's	1,053,848	107,044	68,421	142,611	19,490	23,533
Master's	853,664	67,813	53,992	77,072	7,744	9,895
Education specialist	107,824	9,463	7,927	-	-	-
Doctorate or professional	-	-	-	-	-	-
Race/ethnicity						
Am. Indian, Aleut, Eskimo	-	-	-	-	-	-
Asian or Pacific Islander	-	-	-	-	-	-
Black, non-Hispanic	150,410	15,147	8,827	-	-	-
White, non-Hispanic	1,765,706	158,171	116,336	226,162	26,328	34,773
Hispanic	54,430	4,961	1,,776	-	-	-
Not reported	30,868	-	-	-	-	-
Level taught						
Elementary	1,029,411	113,911	66,458	121,282	17,076	19,863
Secondary	1,022,972	72,049	65,393	118,609	12,276	19,454

NOTE: Details may not add to totals due to rounding. The definitions of "stayer," "mover," and "leaver" may be found in the introduction to this section; "-" equals too few cases for a reliable estimate. Caution should be used in interpreting corresponding percentages.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

Table 42
Number of Stayers, Movers, and Leavers by Selected Characteristics of Schools, 1988-89

1987-88 base year characteristics	Public in 1987-88			Private in 1987-88		
	Stayers	Movers	Leavers	Stayers	Movers	Leavers
Total	2,052,383	185,960	131,851	238,892	29,352	39,317
School level						
Elementary	1,098,970	111,616	66,072	112,170	15,879	17,602
Secondary	699,079	51,586	42,613	45,494	3,840	6,586
Combined	98,152	6,221	7,737	53,912	6,036	11,068
Not reported	156,182	16,537	15,430	28,316	3,598	4,061
School size						
Less than 150	77,744	8,895	4,106	36,320	9,145	10,924
150-299	200,608	23,424	12,763	73,043	7,701	11,081
300-499	507,185	43,330	32,622	42,289	5,007	5,368
500-749	488,663	41,802	32,086	30,723	2,143	3,306
750 or more	622,002	51,973	34,844	29,200	-	4,578
Not reported	156,182	16,537	15,430	28,316	3,598	4,061
Minority status						
Less than 5%	614,686	47,969	35,749	84,762	10,074	14,454
5 to 19%	481,906	42,138	32,158	80,739	7,306	10,162
20 to 49%	413,043	35,597	24,358	24,522	3,167	6,431
50% or more	386,566	43,719	24,157	21,552	5,207	4,209
Not reported	156,182	16,537	15,430	28,316	3,598	4,061
Community type						
Rural	1,004,375	86,606	63,217	56,352	9,187	11,693
Suburban	417,254	30,966	25,098	62,537	5,575	7,647
Urban	467,200	50,797	27,480	92,353	10,964	15,916
Other	-	-	-	-	-	-
Not reported	156,182	16,537	15,430	28,316	3,598	4,061
Region						
Northeast	408,976	24,892	17,224	63,798	9,283	8,598
Midwest	515,977	44,150	31,873	63,987	6,814	7,366
South	655,569	70,253	45,222	54,591	5,830	12,112
West	315,680	30,128	22,102	29,200	3,817	7,179
Not reported	156,182	16,537	15,430	28,316	3,598	4,061

NOTE: Details may not add to totals due to rounding. The definitions of "stayer," "mover," and "leaver" may be found in the introduction to this section; "-" equals too few cases for a reliable estimate. Caution should be used in interpreting corresponding percentages.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

Table 43
Percentage of Stayers, Movers, and Leavers by Selected Characteristics of Teachers, 1988-89

1987-88 base year characteristics	Public in 1987-88			Private in 1987-88		
	Stayers	Movers	Leavers	Stayers	Movers	Leavers
Total	86.6%	7.9%	5.6%	77.8%	9.5%	12.7%
Gender						
Male	87.7	7.2	5.1	83.7	6.1	10.2
Female	86.1	8.1	5.8	76.2	10.4	13.4
Not reported	-	-	-	-	-	-
Age						
Less than 30	75.6	15.4	9.0	65.6	16.8	17.6
30 to 39	86.2	8.8	5.0	79.5	8.7	11.8
40 to 49	91.7	5.9	2.3	81.6	7.5	10.9
50 or more	86.3	3.9	9.8	82.5	5.3	12.2
Not reported	78.0	9.1	12.9	-	-	-
Full-time teaching experience						
1 year	77.4	13.8	8.9	68.6	15.6	15.8
2 years	75.0	12.9	12.2	71.5	13.5	15.1
3 years	76.5	14.7	8.8	69.7	12.2	18.1
4 to 9 years	83.4	11.6	4.9	74.7	12.3	12.9
10 to 20 years	89.5	6.3	4.2	82.0	7.3	10.7
More than 20 years	87.3	7.0	5.7	80.8	8.2	11.0
Not reported	76.7	11.0	12.3	66.4	4.3	29.3
Degree earned						
Less than bachelor's	96.3	-	3.2	64.1	9.4	26.5
Bachelor's	85.7	8.7	5.6	76.8	10.5	12.7
Master's	87.5	7.0	5.5	81.4	8.2	10.5
Education specialist	86.1	7.6	6.3	66.5	10.2	23.3
Doctorate or professional	88.4	7.3	4.3	-	-	-
Race/ethnicity						
Am. Indian, Aleut, Eskimo	95.0	1.9	3.1	-	-	-
Asian or Pacific Islander	73.7	22.2	4.2	-	-	-
Black, non-Hispanic	86.3	8.7	5.1	29.7	35.4	34.9
White, non-Hispanic	86.6	7.8	5.7	78.7	9.2	12.1
Hispanic	89.0	8.1	2.9	68.6	10.2	21.2
Not reported	86.2	7.8	6.1	67.4	14.2	18.5
Level taught						
Elementary	85.1	9.4	5.5	76.7	10.8	12.6
Secondary	88.2	6.2	5.6	78.9	8.2	12.9

NOTE: Percentages may not add to totals due to rounding. The definitions of "stayer," "mover," and "leaver" may be found in the introduction to this section; "- " equals too few cases for a reliable estimate. Caution should be used in interpreting corresponding percentages.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

Table 44
Percentage of Stayers, Movers, and Leavers by Selected Characteristics of Schools, 1988-89

1987-88 base year characteristics	Public in 1987-88			Private in 1987-88		
	Stayers	Movers	Leavers	Stayers	Movers	Leavers
Total	86.6%	7.8%	5.6%	77.7%	9.5%	12.7%
School level						
Elementary	86.1	8.7	5.2	77.0	10.9	12.1
Secondary	88.1	6.5	5.4	81.4	6.9	11.8
Combined	87.5	5.5	6.9	75.9	8.5	15.6
Not reported	83.0	8.8	8.2	78.7	10.0	11.3
School size						
Less than 150	85.7	9.8	4.5	64.4	16.2	19.4
150-299	84.7	9.9	5.4	79.5	8.4	12.1
300-499	87.0	7.4	5.6	80.3	9.5	10.2
500-749	86.9	7.4	5.7	84.9	5.9	9.1
750 or more	87.8	7.3	4.9	86.4	0.0	13.6
Not reported	83.0	8.8	8.2	78.7	10.0	11.3
Minority status						
Less than 5%	88.0	6.9	5.1	77.6	9.2	13.2
5 to 19%	86.6	7.6	5.8	82.2	7.4	10.3
20 to 49%	87.3	7.5	5.1	71.9	9.3	18.8
50% or more	85.1	9.6	5.3	69.6	16.8	13.6
Not reported	83.0	8.8	8.2	78.7	10.0	11.3
Community type						
Rural	87.0	7.5	5.5	73.0	11.9	15.1
Suburban	88.2	6.5	5.3	82.5	7.4	10.1
Urban	85.6	9.3	5.0	77.5	9.2	13.3
Other	81.4	11.6	6.9	92.1	7.9	0.0
Not reported	83.0	8.8	8.2	78.7	10.0	11.3
Region						
Northeast	90.9	5.5	3.8	78.1	11.4	10.5
Midwest	87.2	7.5	5.4	81.9	8.7	9.4
South	85.0	9.1	5.9	75.3	8.0	16.7
West	85.8	8.2	6.0	72.6	9.5	17.9
Not reported	83.0	8.8	8.2	78.7	10.0	11.3

NOTE: Percentages may not add to totals due to rounding. The definitions of "stayer," "mover," and "leaver" may be found in the introduction to this section; "-" equals too few cases for a reliable estimate. Caution should be used in interpreting corresponding percentages.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

Table 45
Characteristics of Schools to Which Teachers Moved, 1988-89

School characteristics	Public in 1987-88		Private in 1987-88	
	Number	Percent	Number	Percent
Total	185,960	100.0%	29,352	100.0%
Sector				
Public	172,222	92.6	14,381	49.0
Private	4,853	2.6	14,091	48.0
Not reported	-	4.8	-	3.0
Region				
Northeast	28,578	15.4	10,389	35.4
Midwest	45,793	24.6	6,628	22.6
South	75,971	40.9	7,860	26.8
West	35,618	19.2	4,476	15.2
Community Type				
Rural	82,740	44.5	10,274	35.0
Suburban	32,702	17.6	6,139	20.9
Urban	68,645	36.9	12,386	42.2
Other	-	0.1	-	-
Not reported	-	0.8	-	1.9

NOTE: Details may not add to totals due to rounding; "-" equals too few cases for a reliable estimate. Caution should be used in interpreting the corresponding percentages.

Source: U.S. Department of Education, National Center for Education Statistics, Teacher Follow-up Survey, 1988-89.

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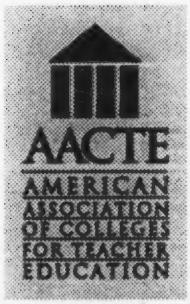

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